



U.S. Department of Transportation



National Highway Traffic Safety Administration

Traffic Safety Facts Kentucky 2006-2010



This Report Contains Data From the Following Sources:

Fatality Data - NCSA Fatality Analysis Reporting System (FARS): 2006-2009 Final File and 2010 Annual Report File (ARF)
Observed Safety Belt Data - NCSA National Occupant Protection Use Survey (NOPUS) and the Kentucky State Survey
Vehicle Miles of Travel Data and Motorcycle Registrations - Federal Highway Administration (FHWA)
Population Data - U.S. Bureau of the Census



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Traffic Safety Performance (Core Outcome) Measures* For Kentucky

Core Outcome Measures		Year				
		2006	2007	2008	2009	2010
Traffic Fatalities	Total	913	864	825	791	760
	Rural	688	677	634	645	551
	Urban	225	187	191	146	208
	Unknown	0	0	0	0	1
Fatalities Per 100 Million Vehicle Miles Driven**	Total	1.91	1.80	1.74	1.67	
	Rural	2.51	2.45	2.31	2.36	
	Urban	1.10	0.92	0.95	0.73	
Passenger Vehicle Occupant Fatalities (All Seat Positions)	Total	703	647	596	619	557
	Restrained	229	265	214	265	246
	Unrestrained	474	382	381	352	310
	Unknown	0	0	1	2	1
Alcohol-Impaired Driving Fatalities (BAC=.08+)**		216	212	186	192	171
Speeding-Related Fatalities		160	132	154	154	154
Motorcyclist Fatalities	Total	98	112	101	86	96
	Helmeted	30	40	41	36	38
	Unhelmeted	68	72	60	50	58
	Unknown	0	0	0	0	0
Drivers Involved in Fatal Crashes	Total	1,263	1,187	1,100	1,110	1,037
	Aged Under 15	4	3	3	3	5
	Aged 15-20	164	135	119	130	109
	Aged Under 21	168	138	122	133	114
	Aged 21 and Over	1,089	1,045	967	975	917
	Unknown Age	6	4	11	2	6
Pedestrian Fatalities		52	44	66	41	61

*These Performance Measures Were Developed By The National Highway Traffic Safety Administration (NHTSA) and the Governors Highway Safety Association (GHSA) (See Publication: DOT HS 811 025)

**2010 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

***Based on the BAC of All Involved Drivers and Motorcycle Riders (Operators) Only

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Fatality Rates: Kentucky , U.S. and Best State

Year		Fatalities	Total Vehicle Miles Traveled (Millions)	Fatalities Per 100 Million Vehicle Miles Traveled	Total Population	Fatalities Per 100,000 Population
2006	Kentucky	913	47,742	1.91	4,219,239	21.64
	US	42,708	3,014,371	1.42	298,379,912	14.31
	Best State*			0.78		6.48
2007	Kentucky	864	48,063	1.80	4,256,672	20.30
	US	41,259	3,031,124	1.36	301,231,207	13.70
	Best State*			0.79		6.53
2008	Kentucky	825	47,534	1.74	4,289,878	19.23
	US	37,423	2,976,528	1.26	304,093,966	12.31
	Best State*			0.67		5.63
2009	Kentucky	791	47,355	1.67	4,317,074	18.32
	US	33,883	2,953,501	1.15	306,771,529	11.05
	Best State*			0.62		4.90
2010	Kentucky	760			4,346,266	17.49
	US	32,885			309,349,689	10.63
	Best State*					3.97

*State (or States) With Lowest Rates: Lowest VMT and Population Rates Could Be in Different States

2010 National VMT is a Preliminary Estimate and Subject to Change

2010 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

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Fatalities By The Highest Blood Alcohol Concentration (BAC) in the Crash**:
 Kentucky , U.S. and Best State
 (Old Definition)

Year		Total Fatalities in all Crashes	Highest BAC level in the Crash					
			BAC = .01+			BAC = .08+		
			Number	Percent	Per 100 Million VMT	Number	Percent	Per 100 Million VMT
2006	Kentucky	913	269	29	0.56	231	25	0.48
	US	42,708	17,738	42	0.59	15,144	35	0.50
	Best State*			24	0.26		20	0.22
2007	Kentucky	864	267	31	0.56	228	26	0.47
	US	41,259	17,158	42	0.57	14,603	35	0.48
	Best State*			24	0.27		21	0.23
2008	Kentucky	825	245	30	0.52	213	26	0.45
	US	37,423	15,449	41	0.52	13,258	35	0.45
	Best State*			21	0.21		16	0.16
2009	Kentucky	791	252	32	0.53	204	26	0.43
	US	33,883	14,179	42	0.48	12,149	36	0.41
	Best State*			25	0.24		18	0.17
2010	Kentucky	760	228	30		185	24	
	US	32,885	13,364	41		11,560	35	
	Best State*			23			21	

*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

**Based on the BAC of All Involved Drivers, Motorcycle Riders (Operators), Pedalcyclists and Pedestrians

2010 National VMT is a Preliminary Estimate and Subject to Change

2010 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

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Alcohol-Impaired Driving Fatalities**:
Kentucky, U.S. and Best State
(New Definition)

Year		Total Fatalities in all Crashes	Alcohol-Impaired Driving Fatalities (BAC = .08+)		
			Number	Percent	Per 100 Million VMT
2006	Kentucky	913	216	24	0.45
	US	42,708	13,491	32	0.45
	Best State*			18	0.20
2007	Kentucky	864	212	25	0.44
	US	41,259	13,041	32	0.43
	Best State*			19	0.21
2008	Kentucky	825	186	23	0.39
	US	37,423	11,711	31	0.39
	Best State*			16	0.16
2009	Kentucky	791	192	24	0.41
	US	33,883	10,759	32	0.36
	Best State*			17	0.16
2010	Kentucky	760	171	23	
	US	32,885	10,228	31	
	Best State*			19	

*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

**Based on the BAC of All Involved Drivers and Motorcycle Riders (Operators) Only

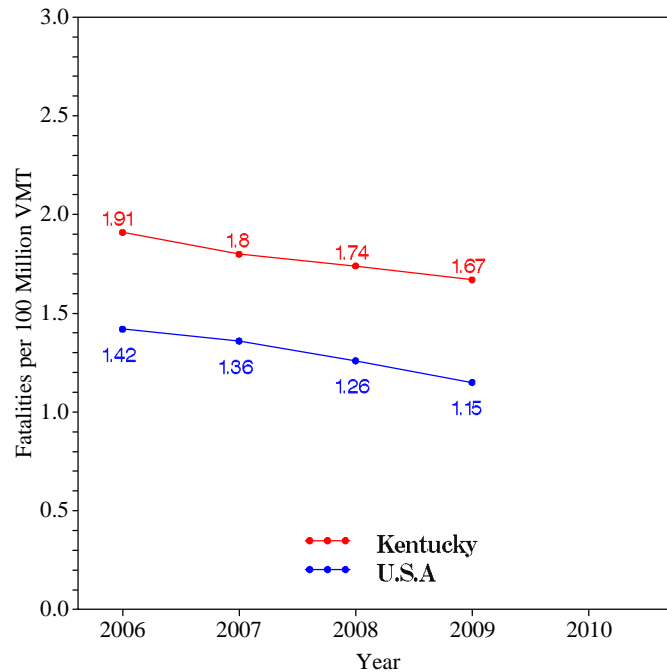
2010 National VMT is a Preliminary Estimate and Subject to Change

2010 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

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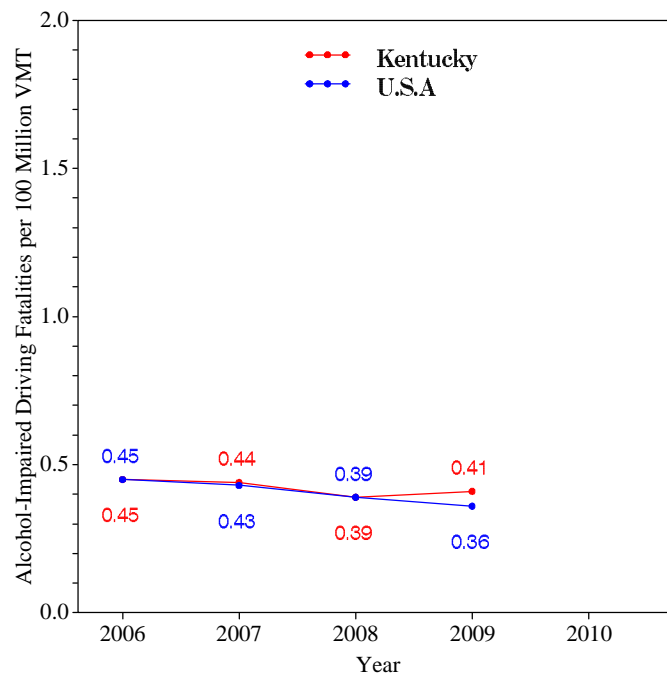


Fatalities per 100 Million VMT



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Alcohol-Impaired Driving Fatalities per 100 Million VMT



2010 National VMT is a Preliminary Estimate and Subject to Change
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Blood Alcohol Concentration (BAC) Reporting Rates
For Drivers/Motorcycle Riders (Operators)
Involved in Fatal Crashes:
Kentucky , U.S. and Best State

Year		Surviving Drivers/Motorcycle Riders			Killed Drivers/Motorcycle Riders			Total Drivers/Motorcycle Riders		
		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS	
			Number	Percent		Number	Percent		Number	Percent
2006	Kentucky	601	217	36	662	442	67	1,263	659	52
	US	30,498	7,482	25	27,348	18,911	69	57,846	26,393	46
	Best State*			81			99			85
2007	Kentucky	555	223	40	632	452	72	1,187	675	57
	US	29,449	7,631	26	26,570	19,434	73	56,019	27,065	48
	Best State*			82			100			84
2008	Kentucky	516	236	46	584	423	72	1,100	659	60
	US	26,162	7,656	29	24,254	18,415	76	50,416	26,071	52
	Best State*			81			99			85
2009	Kentucky	519	229	44	591	448	76	1,110	677	61
	US	23,502	7,188	31	21,835	16,753	77	45,337	23,941	53
	Best State*			86			100			90
2010	Kentucky	513	258	50	524	404	77	1,037	662	64
	US	23,424	6,955	30	21,016	14,872	71	44,440	21,827	49
	Best State*			88			93			87

*State (or States) With Highest Percents: Highest Percents Could Be in Different States

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Daytime Front Seat (Outboard Only) Passenger Vehicle Occupants, Aged 5 and Over, by Restraint Use:
Fatalities and Observed
Kentucky , U.S. and Best State

Year		Fatalities - Restrained**	Observed - Restrained***
		Percent	Percent
2006	Kentucky	38	67
	US	55	81
	Best State*	100	96
2007	Kentucky	50	72
	US	57	82
	Best State*	82	98
2008	Kentucky	47	73
	US	56	83
	Best State*	78	97
2009	Kentucky	50	80
	US	58	84
	Best State*	77	98
2010	Kentucky	51	80
	US	59	85
	Best State*	100	98

*State With Highest Percent. Fatal Crash and Observed Percents Can Be Different States

**Percent Based Only Where Restraint Use Was Known

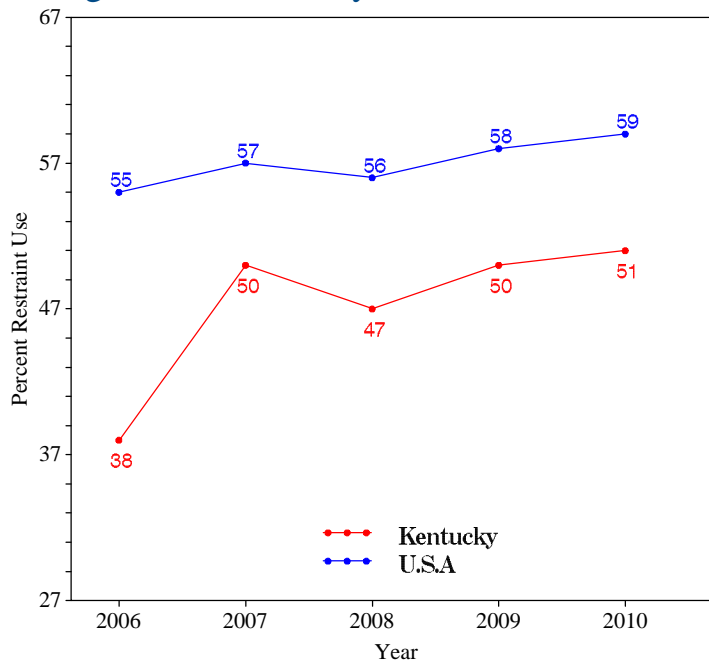
***USA Data: National Occupant Protection Use Survey. Kentucky Data: State Survey

Note: The Purpose of this Table is to Compare (as closely as possible) the Use of Restraint Systems by Fatally Injured Occupants with Occupants in all Driving Situations

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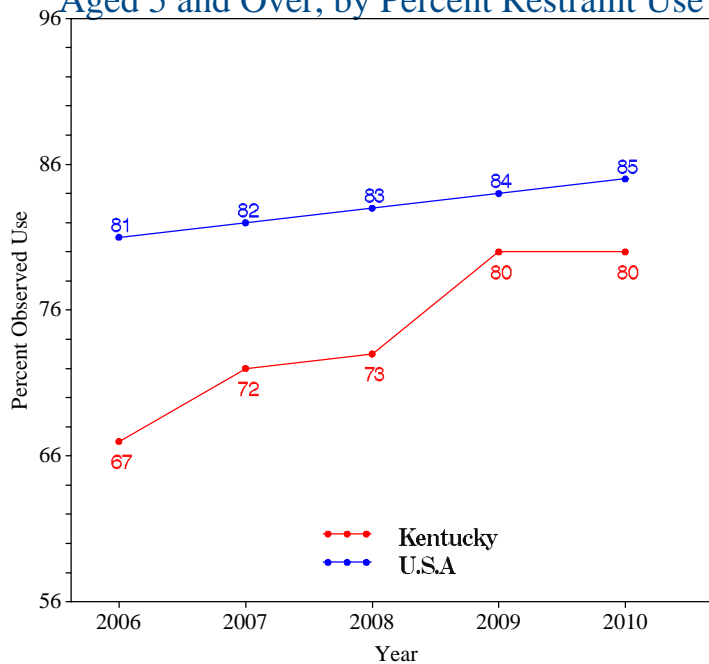
Daytime Front Seat (Outboard Only) Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use*



*Percent Based Only Where Restraint Use Was Known

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Daytime Front Seat (Outboard Only) Passenger Vehicle Occupants Observed, Aged 5 and Over, by Percent Restraint Use*



*USA Data: National Occupant Protection Use Survey. Kentucky Data: State Survey

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Passenger Vehicle Occupant Fatalities Age 5 and Above by Restraint Use and Lives Saved Estimates

Year	Fatalities Age 5 and Above					Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Unknown Restraint Use	Percent Known Restrained*	Lives Saved at Current Belt Use	Additional Lives Savable at 100% Belt Usage
2006	693	223	470	0	32	250	203
2007	639	258	381	0	40	292	186
2008	588	210	378	0	36	245	151
2009	609	258	350	1	42	315	135
2010	546	237	308	1	43	289	127

*Percent Based Only Where Restraint Use Was Known

**Lives Saved Estimates (Sum of columns may not equal other published numbers due to rounding)

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Passenger Vehicle Occupant Fatalities Age 4 and Under by Restraint Use and Lives Saved Estimates

Year	Fatalities Age 4 and Under					Lives Saved Estimates**
	Total	Restrained	Unrestrained	Unknown Restraint Use	Percent Known Restrained*	Lives Saved at Current Seat Belt and Child Safety Seat Usage
2006	10	6	4	0	60	6
2007	8	7	1	0	88	12
2008	7	4	2	1	67	5
2009	10	7	2	1	78	9
2010	11	9	2	0	82	12

*Percent Based Only Where Restraint Use Was Known

**Lives Saved Estimates

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Motorcyclist Fatalities by Helmet Use and Lives Saved Estimates

Year	Fatalities					Lives Saved Estimates**	
	Total	Helmeted	Unhelmeted	Unknown Helmet Use	Percent Known Helmeted*	Lives Saved at Current Helmet Use	Additional Lives Savable at 100% Helmet Usage
2006	98	30	68	0	31	18	25
2007	112	40	72	0	36	24	27
2008	101	41	60	0	41	25	22
2009	86	36	50	0	42	21	19
2010	96	38	58	0	40	23	22

*Percent Based Only Where Helmet Use Was Known

**Lives Saved Estimates (Sum of columns may not equal other published numbers due to rounding)

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Fatalities by Person Type

Person Type		2006		2007		2008		2009		2010	
		#	%*	#	%*	#	%*	#	%*	#	%*
Occupants	Passenger Car	428	47	383	44	340	41	330	42	297	39
	Light Truck - Pickup	167	18	162	19	144	17	165	21	132	17
	Light Truck - Utility	71	8	74	9	79	10	98	12	83	11
	Light Truck - Van	37	4	28	3	32	4	25	3	45	6
	Light Truck - Other	0	0	0	0	1	0	1	0	0	0
	Large Truck	25	3	21	2	22	3	20	3	9	1
	Bus	0	0	3	0	1	0	0	0	0	0
	Other/Unknown Occupants	27	3	33	4	31	4	20	3	30	4
	<i>Total Occupants</i>	755	83	704	81	650	79	659	83	596	78
Motorcyclists	<i>Total Motorcyclists</i>	98	11	112	13	101	12	86	11	96	13
Nonoccupants	Pedestrian	52	6	44	5	66	8	41	5	61	8
	Bicyclist and Other Cyclist	5	1	3	0	6	1	5	1	7	1
	Other/Unknown Nonoccupants	3	0	1	0	2	0	0	0	0	0
	<i>Total Nonoccupants</i>	60	7	48	6	74	9	46	6	68	9
Total	<i>Total</i>	913	100	864	100	825	100	791	100	760	100

*Sum of Percents May Not = 100 Due to Individual Cell Rounding

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Fatalities by Crash Type

Crash Type	2006	2007	2008	2009	2010
Total Fatalities (All Crashes)*	913	864	825	791	760
- (1) Single Vehicle	500	510	481	420	423
- (2) Involving a Large Truck	105	104	113	112	100
- (3) Involving Speeding	160	132	154	154	154
- (4) Involving a Rollover	276	269	233	213	251
- (5) Involving a Roadway Departure	599	595	572	542	492
- (6) Involving an Intersection (or Intersection Related)	144	129	94	104	120

(1) Crash Involved Only One Coded Vehicle

(2) Crash Involved at Least One Large Truck

(3) Crash Involved at Least One Vehicle Speeding

(4) Crash Involved at Least One Vehicle That Rolled Over

(5) Crash Involved at Least One Vehicle That Departed the Roadway (FHWA Definition)

(6) Crash Occured Within an Intersection or Within the Approach to an Intersection

*A Fatality Can Be in More Than One Category. Therefore Sum of the Individual Cells Will Not Equal the Total Due to Double Counting

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Motorcyclist Fatalities by Age

Year	Age						Total
	<20	20-29	30-39	40-49	50-59	>59	
2006	6	31	16	15	20	10	98
2007	9	28	24	23	22	6	112
2008	5	19	16	27	20	14	101
2009	3	22	17	18	11	15	86
2010	6	18	8	26	23	15	96

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Motorcyclist Fatalities Per 100,000 Registered Motorcycles

Year	Motorcyclist Fatalities	Total Motorcycle Registrations*	Motorcyclist Fatalities Per 100,000 Motorcycle Registrations
2006	98	58,959	166.2
2007	112	61,907	180.9
2008	101	65,002	155.4
2009	86	68,251	126.0
2010	96		

*Data Source: FHWA

*2010 Motorcycle Registrations are Not Yet Available

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Fatalities by Person Type and Race/Hispanic Origin

Person Type by Race/Hispanic Origin		2006	2007	2008	2009
Occupants (All Vehicle Types)	Hispanic	14	8	6	21
	White Non-Hispanic	801	782	714	677
	Black, Non-Hispanic	35	25	31	27
	Asian, Non-Hispanic/Unknown	1	0	0	1
	All Other Non-Hispanic or Race	2	1	0	15
	Unknown Race and Unknown Hispanic	0	0	0	4
	Total	853	816	751	745
Non-Occupants (Pedestrians, Pedalcyclists and Other/Unknown NonOccupants)					
	Hispanic	4	2	1	0
	White Non-Hispanic	49	37	65	39
	Black, Non-Hispanic	7	8	8	6
	Asian, Non-Hispanic/Unknown	0	0	0	0
	All Other Non-Hispanic or Race	0	1	0	1
	Unknown Race and Unknown Hispanic	0	0	0	0
	Total	60	48	74	46
Total		913	864	825	791

2010 Race/Hispanic Origin Data is Not Yet Complete

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5 Year Trend For The Top 10 Counties of 2010 - Fatalities

Counties by 2010 Ranking		Fatalities					Percent of Total				
		2006	2007	2008	2009	2010	2006	2007	2008	2009	2010
1	Jefferson County	79	80	77	57	73	9	9	9	7	10
2	Fayette County	23	26	31	23	24	3	3	4	3	3
3	Pike County	33	20	32	17	21	4	2	4	2	3
4	Madison County	15	18	13	12	20	2	2	2	2	3
5	Laurel County	17	17	17	14	19	2	2	2	2	3
6	Hardin County	23	18	18	19	18	3	2	2	2	2
7	Christian County	16	9	8	11	17	2	1	1	1	2
8	Mccracken County	12	19	13	10	16	1	2	2	1	2
9	Barren County	6	8	11	17	15	1	1	1	2	2
10	Daviess County	14	12	3	11	13	2	1	0	1	2
Sub Total 1.*	Top Ten Counties	266	243	258	214	236	29	28	31	27	31
Sub Total 2.**	All Other Counties	647	621	567	577	524	71	72	69	73	69
Total	All Counties	913	864	825	791	760	100	100	100	100	100

*This Sub Total is the Total for the Top Ten Counties

**This Sub Total is the Total for all Counties Outside the Top Ten

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5 Year Trend For The Top 10 Counties of 2010 - Fatalities Year to Year Percent Change

Counties by 2010 Ranking		Fatalities					Percent Change From Previous Year			
		2006	2007	2008	2009	2010	2007	2008	2009	2010
1	Jefferson County	79	80	77	57	73	1	-4	-26	28
2	Fayette County	23	26	31	23	24	13	19	-26	4
3	Pike County	33	20	32	17	21	-39	60	-47	24
4	Madison County	15	18	13	12	20	20	-28	-8	67
5	Laurel County	17	17	17	14	19	0	0	-18	36
6	Hardin County	23	18	18	19	18	-22	0	6	-5
7	Christian County	16	9	8	11	17	-44	-11	38	55
8	Mccracken County	12	19	13	10	16	58	-32	-23	60
9	Barren County	6	8	11	17	15	33	38	55	-12
10	Daviess County	14	12	3	11	13	-14	-75	267	18
Sub Total 1.*	Top Ten Counties	266	243	258	214	236	-9	6	-17	10
Sub Total 2.**	All Other Counties	647	621	567	577	524	-4	-9	2	-9
Total	All Counties	913	864	825	791	760	-5	-5	-4	-4

*This Sub Total is the Total for the Top Ten Counties

**This Sub Total is the Total for all Counties Outside the Top Ten

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5 Year Trend For The Top 10 Counties of 2010 - Fatality Rates

Median Rate for all U.S. Counties: 17.1

Counties by 2010 Ranking		Fatalities Per 100,000 Population				
		2006	2007	2008	2009	2010
1	Hart County	33.13	49.53	81.88	32.97	65.91
2	Owsley County	63.25	42.29	21.00	0.00	62.97
3	Carlisle County	0.00	19.57	39.27	0.00	58.80
4	Cumberland County	70.69	28.74	0.00	14.59	58.39
5	Gallatin County	24.23	107.95	47.51	70.32	58.16
6	Breathitt County	41.24	34.90	28.07	21.41	57.66
7	Crittenden County	43.18	53.89	21.26	10.75	53.69
8	Bath County	34.61	8.72	34.34	43.31	51.69
9	Lee County	38.22	50.92	0.00	25.36	50.80
10	Clay County	39.62	58.21	44.87	41.00	50.70
Sub Rate 1.* <i>Top Ten Counties</i>		74.27	71.05	62.15	61.47	56.54
Sub Rate 2.** <i>All Other Counties</i>		20.44	18.78	17.94	17.15	16.49
Total Rate <i>All Counties</i>		21.64	20.30	19.23	18.32	17.49

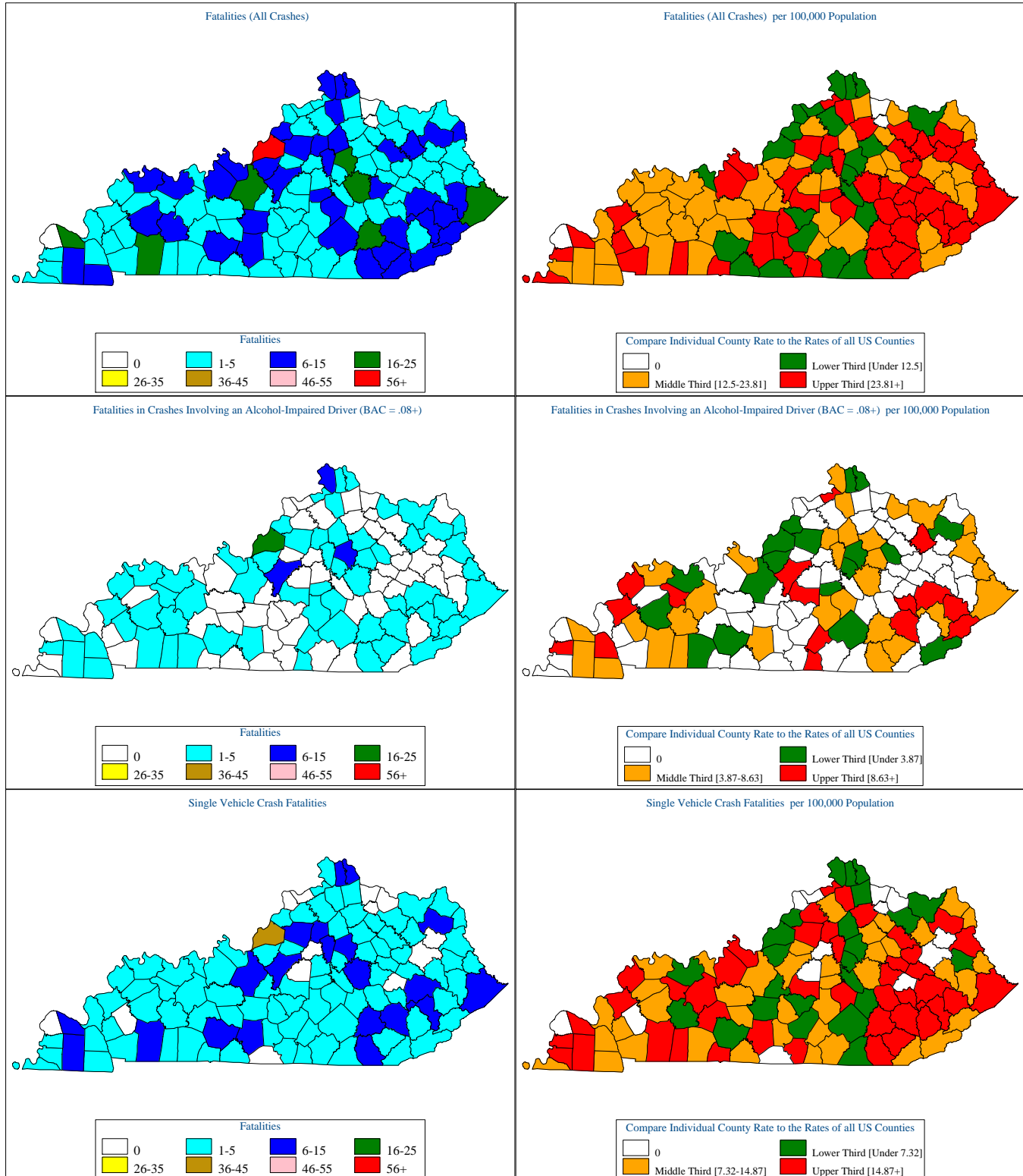
*This Sub Rate is the Rate for the Top Ten Counties

**This Sub Rate is the Rate for all Counties Outside the Top Ten

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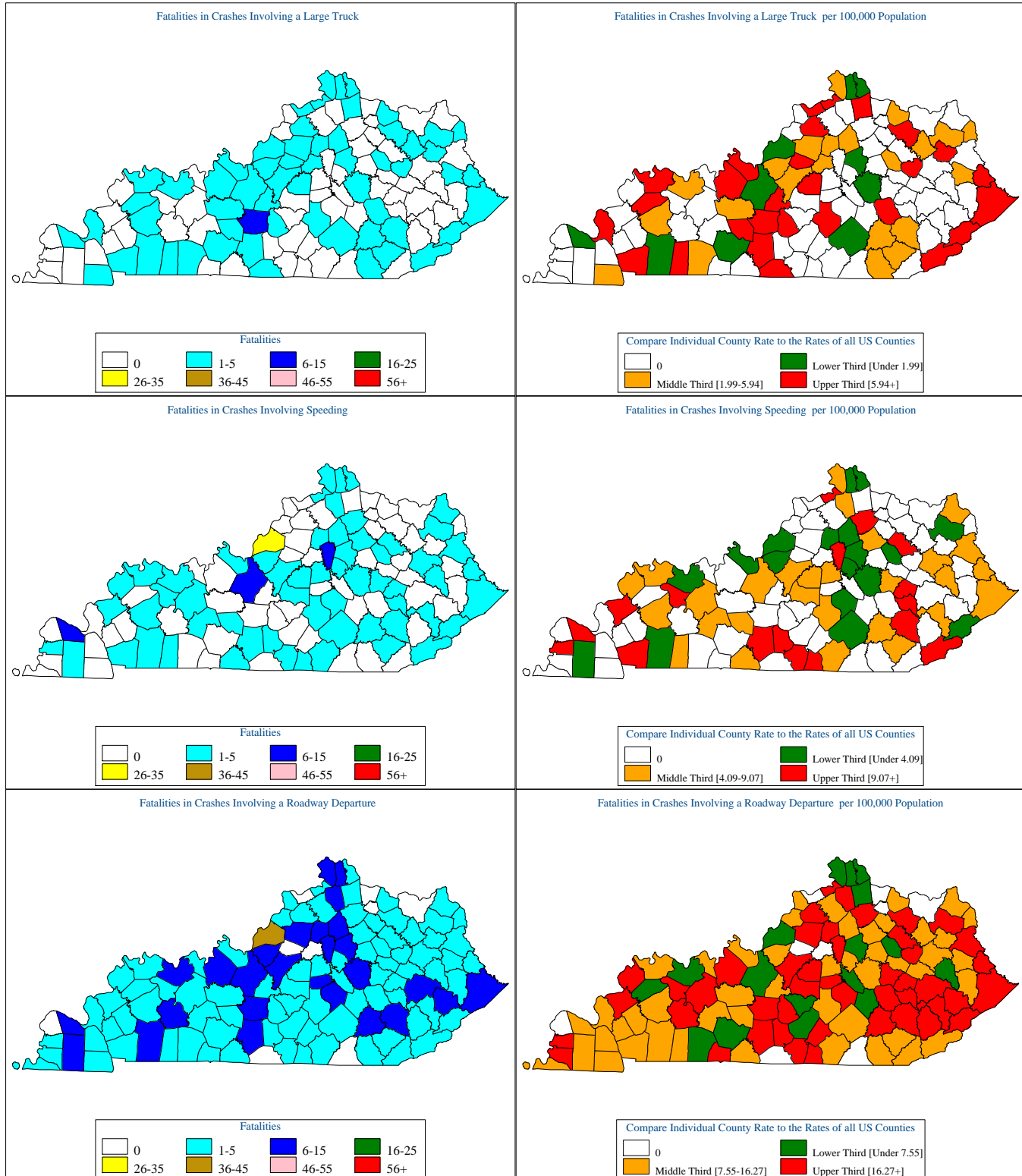
Kentucky Motor Vehicle Crash Fatality Maps for 2010



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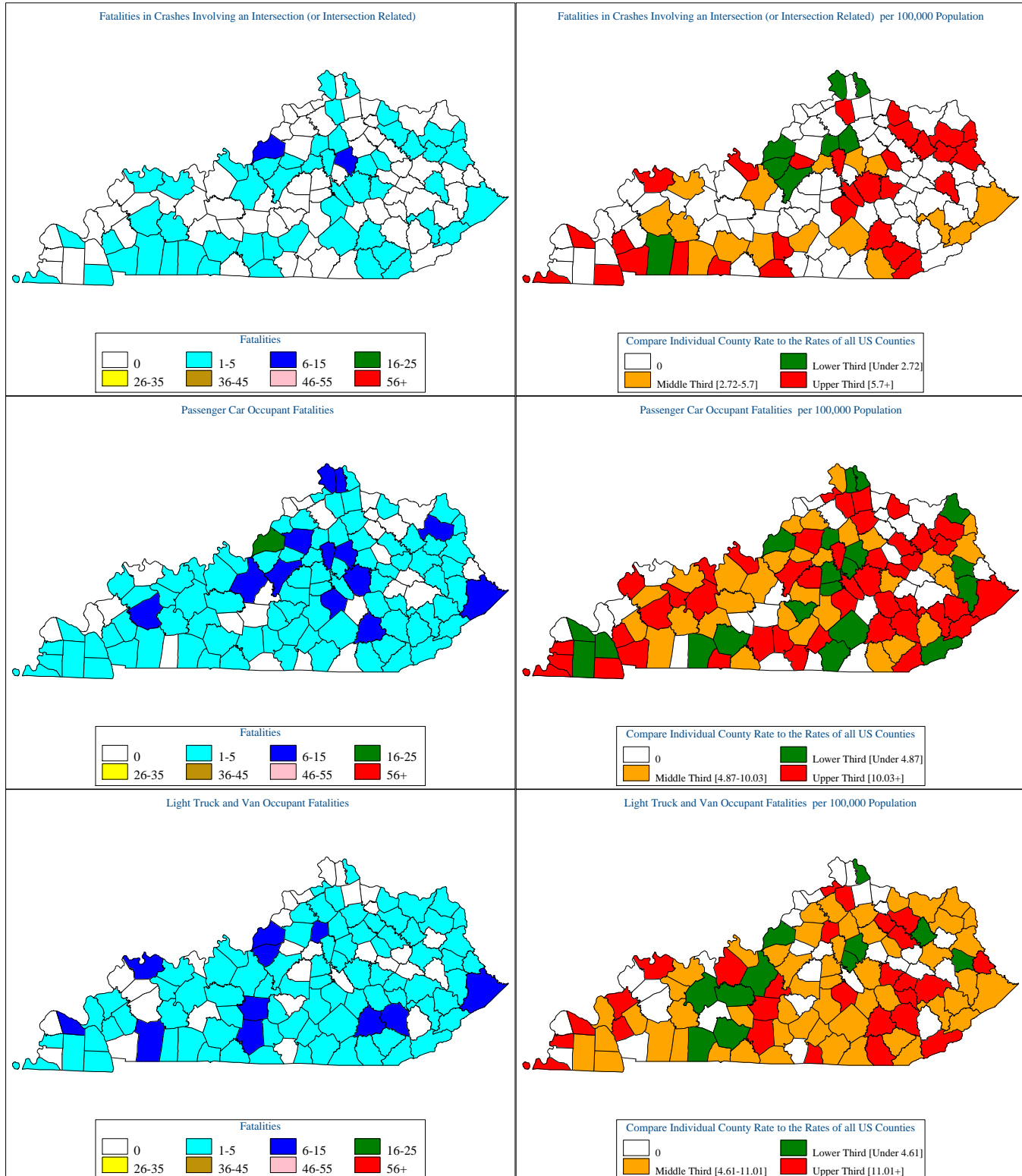
Kentucky Motor Vehicle Crash Fatality Maps for 2010



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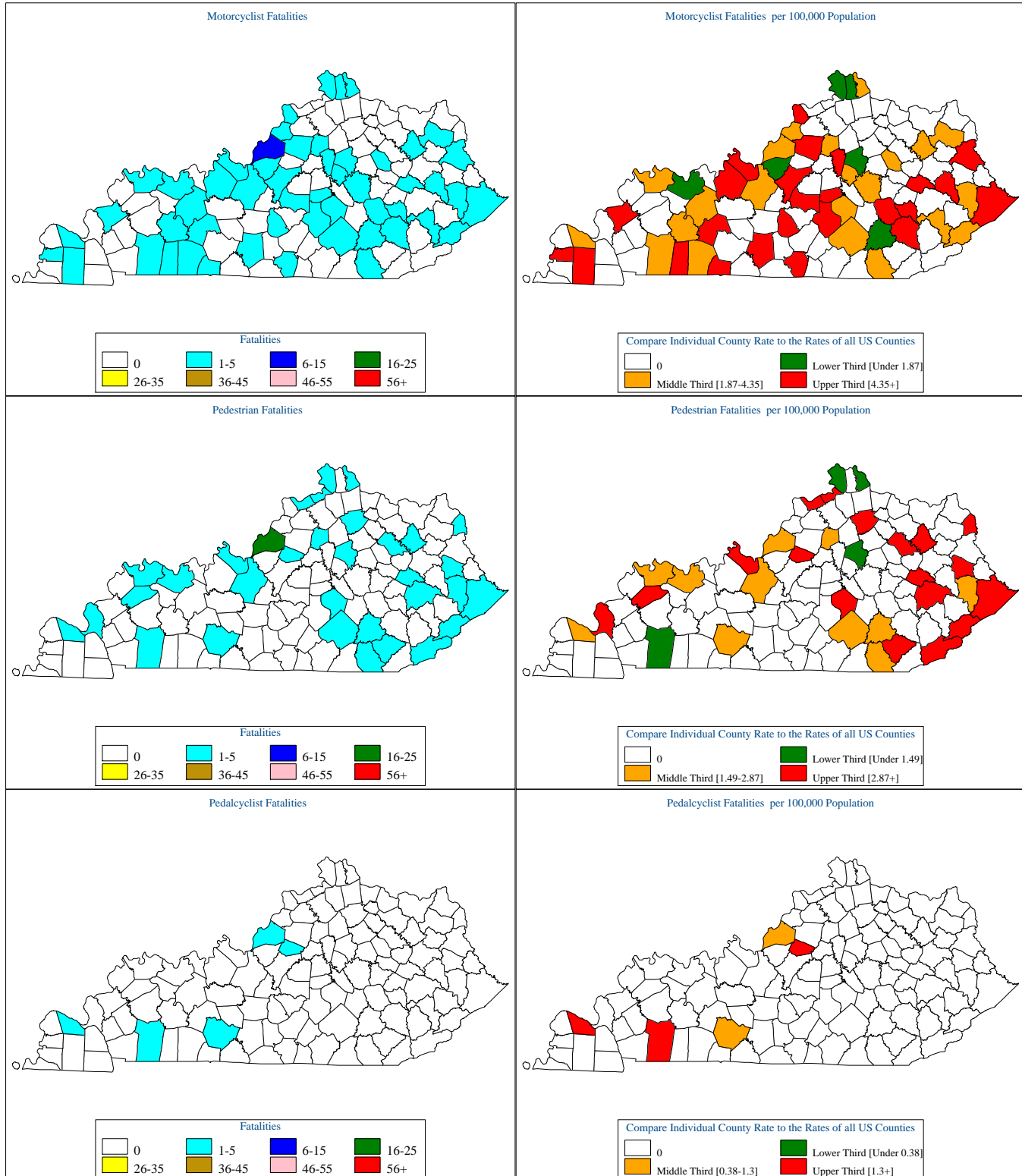
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